

Attorney Docket No.: UMD-0033  
Inventors: Rameshwar and Gascon  
Serial No.: 10/628,066  
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### REMARKS

Claims 1, 2, 6, 12-14, 18, and 20 are pending in this application and have been subjected to a Restriction Requirement under 35 U.S.C. §121. It is suggested that the application contains claims directed to the patentably distinct species of SEQ ID NO:1 or SEQ ID NO:14. Applicants are required under 35 U.S.C. 121 to elect a single disclosed species. Applicants respectfully traverse this restriction requirement and respectfully request reconsideration for the following reasons.

Applicants respectfully point out that SEQ ID NO:14 is a variant of SEQ ID NO:1. As shown below, SEQ ID NO:1 has additional nucleotides on the 5' and 3' ends which are not present in SEQ ID NO:14.

SEQ ID NO:1	CTATAGGGCAGCGTGGTTCGACGGCCGGCTGGTAAATCCCCTTCTCCAAAATGTAA	60
SEQ ID NO:14	-----CGACGGCCGGCTGGTAAATCCCCTTCTCCAAAATGTAA	42
	*****	
SEQ ID NO:1	ATAAATCTGCTTCCATCTTCTAAATACTATGGGACTAAACATCCTTTTGTATGCTAAG	120
SEQ ID NO:14	ATAAATCTGCTTCCATCTTCTAAATACTATGGGACTAAACATCCTTTTGTATGCTAAG	102
	*****	
SEQ ID NO:1	GAAAAGCCAGTATTCGCGTTGATTTAGAAGAGGGATGTTCTGGTTATAGAACGATGCTGT	180
SEQ ID NO:14	GAAAAGCCAGTATTCGCGTTGATTTAGAAGAGGGATGTTCTGGTTATAGAACGATGCTGT	162
	*****	
SEQ ID NO:1	GTCTCAGAAACACTTAAATACTATTAAGCTAGAAATAGAAGGAAAATAATGCTTCCCCG	240
SEQ ID NO:14	GTCTCAGAAACACTTAAATACTATTAAGCTAGAAATAGAAGGAAAATAATGCTTCCCCG	222
	*****	
SEQ ID NO:1	CATCTCCCCTCAAGTGTAGTCCTCTTTTTTTAGCCTGATTTCGACGAAATGTCTGAATG	300
SEQ ID NO:14	CATCTCCCCTCAAGTGTAGTCCTCTTTTTTTAGCCTGATTTCGACGAAATGTCTGAATG	282
	*****	
SEQ ID NO:1	CCTACAGTTATTTGGCCATCCTGAAAAGTGCAACTTATCCTGACGTCTCGAGGGACGGAA	360
SEQ ID NO:14	CCTACAGTTATTTGGCCATCCTGAAAAGTGCAACTTATCCTGACGTCTCGAGGGACGGAA	342
	*****	
SEQ ID NO:1	AAGTTACCGAAGTCCAAGGAATGAGTCACTTTGCTCAAATTTGATGAGTAATATCAGGTG	420
SEQ ID NO:14	AAGTTACCGAAGTCCAAGGAATGAGTCACTTTGCTCAAATTTGATGAGTAATATCAGGTG	402
	*****	
SEQ ID NO:1	TCATGAAACCCAGTTTTCGAAGGAGAGGGGAGGGGCGTCAGATCTGCAGACGGAAGCAGG	480
SEQ ID NO:14	TCATGAAACCCAGTTTTCGAAGGAGAGGGGAGGGGCGTCAGATCTGCAGACGGAAGCAGG	462
	*****	
SEQ ID NO:1	CCGCTCCGGATTGGATGGCGAGACCTCGATTTTCTTAAATTTGCGTCATTTAGAACCCAA	540
SEQ ID NO:14	CCGCTCCGGATTGGATGGCGAGACCTCGATTTTCTTAAATTTGCGTCATTTAGAACCCAA	522
	*****	
SEQ ID NO:1	TTGGGTCCAGATGTTATGGGCATCGACGAGTTACCGTCTCGGAACTCTCAATCACGCAA	600

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SEQ ID NO:14      TTGGGTCCAGATGTTATGGGCATCGACGAGTTACCGTCTCGGAACTCTCAATCACGCAA 582
*****

SEQ ID NO:1      GCGAAAGGAGAGGAGGCGGCTAATTAAATATTGAGCAGAAAGTCGCGTGGGGAGAATGTC 660
SEQ ID NO:14      GCGAAAGGAGAGGAGGCGGCTAATTAAATATTGAGCAGAAAGTCGCGTGGGGAGAATGTC 642
*****

SEQ ID NO:1      ACGTGGGTCTGGAGGCTCAAGGAGGCTGGGATAAATACCGCAAGGCACTGAGCAGGCGAA 720
SEQ ID NO:14      ACGTGGGTCTGGAGGCTCAAGGAGGCTGGGATAAATACCGCAAGGCACTGAGCAGGCGAA 702
*****

SEQ ID NO:1      AGAGCGCGCTCGGACCTCCTTTCCCGGCGGCAGCTACCGAGAGTGCGGAGCGACCAGCGT 780
SEQ ID NO:14      AGAGCGCGCTCGGACCTCCTTTCCCGGCGGCAGCTACCGAGAGTGCGGAGCGACCAGCGT 762
*****

SEQ ID NO:1      GCGCTCGGAGAACCAGAGAACTCAGCACCCCGCGGGACTGTCCGTGCGAGTAAGTGCCCG 840
SEQ ID NO:14      GCGCTCGGAGAACCAGAGAACTCAGCACCCCGCGGGACTGTCCGTGCGAGTAAGTGCCCG 822
*****

SEQ ID NO:1      CGCGGTGCTGGCCGCGGCTGCCCGGGTCATCCACCCCGCATCTGTCCGAGGTGGCCGCG 900
SEQ ID NO:14      CGCGGTGCTGGCCGCGGCTGCCCGGGTCATCCACCCCGCATCTGTCCGAGGTGGCCGCG 882
*****

SEQ ID NO:1      CTGGGGGCGCCGCTGCGGCGAGGGACAGTGGGGAGACTGGCTTCCCAAACGCCAACGCC 960
SEQ ID NO:14      CTGGGGGCGCCGCTGCGGCGAGGGACAGTGGGGAGACTGGCTTCCCAAACGCCAACGCC 942
*****

SEQ ID NO:1      CTCTTTGTCTTCCACCTGCAGAGTTTCTGGTTTGAAGGTGTGGGTGGTGGGTAGGGG 1020
SEQ ID NO:14      CTCTTTGTCTTCCACCTGCAGAGTTTCTGGTTTGAAGGTGTGGGTGGTGGGTAGGGG 1002
*****

SEQ ID NO:1      GCTGGGGGAGCTGGGATTGAGGAGAGAGGGTTGGAGAATCTTTGGGACGCGATTCTCT 1080
SEQ ID NO:14      GCTGGGGGAGCTGGGATTGAGGAGAGAGGGTTGGAGAATCTTTGGGACGCGATTCTCT 1062
*****

SEQ ID NO:1      CGCCTAACCGGTACAGGTGAGACTTCAGTCCTTATGTTTGGATCTTGGTTCATCCGTTG 1140
SEQ ID NO:14      CGCCTAACCGGTACAGGTGAGACTTCAGTCCTTATGTTTGGATCTTGGTTCATCCGTTG 1122
*****

SEQ ID NO:1      TGGGGCAGAAAATTCTGTGCTTTAACTCTTGGATAACCACCCCTAATAGATACATTATT 1200
SEQ ID NO:14      TGGGGCAGAAAATTCTGTGCTTTAACTCTTGGATAACCACCCCTAATAGATACATTATT 1182
*****

SEQ ID NO:1      TCTCTCTTTGGTGTCTTCTCCTCCTACCCCTTCCCAGAAATCCGACATGAAAATCCTCGT 1260
SEQ ID NO:14      TCTCTCTTTGGTGTCTTCTCCTCCTACCCCTTCCCAGAAATCCGAC----- 1228
*****

SEQ ID NO:1      GGCCCTTGGCATCTTTTTTCTGACGG 1286
SEQ ID NO:14      -----
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Accordingly, because Applicants have not claimed more than a reasonable number of species and the species are closely related, there would be no additional burden incurred by the Examiner in this case to search and examine both SEQ ID NO:1 and SEQ ID NO:14. In view of Applicants' remarks, it is respectfully requested that this species election be reconsidered and SEQ ID

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NO:1 and SEQ ID NO:14 be searched and examined together in the prosecution of the instant application.

However, in an earnest effort to be completely responsive, Applicant hereby elects to prosecute an isolated nucleic acid molecule comprising SEQ ID NO:14, with traverse.

Respectfully submitted,



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